

FIG. 1

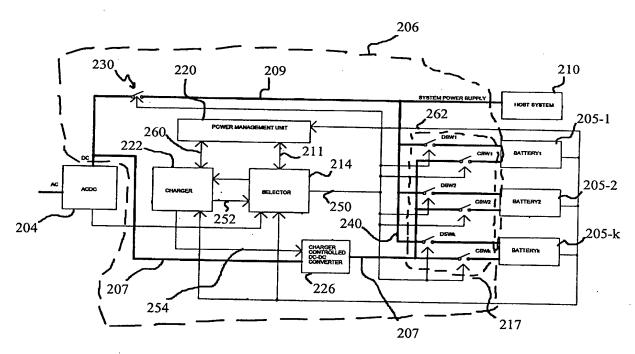


FIG. 2

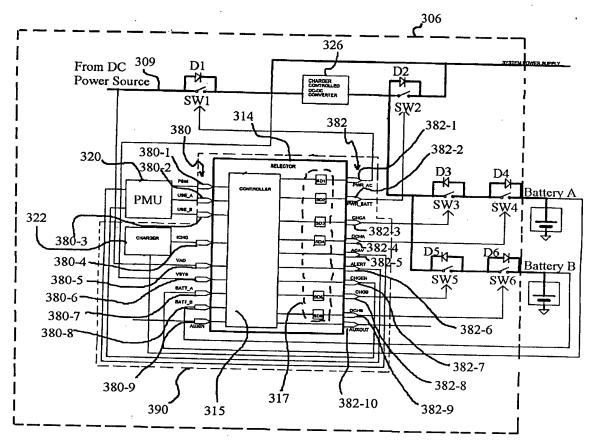


FIG. 3

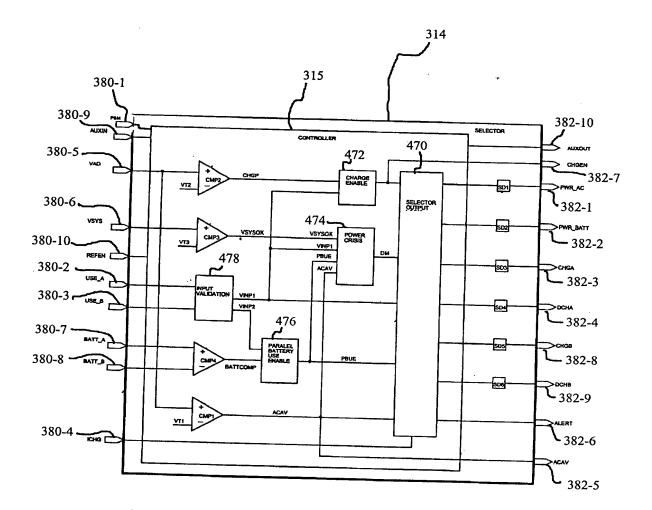


FIG. 4

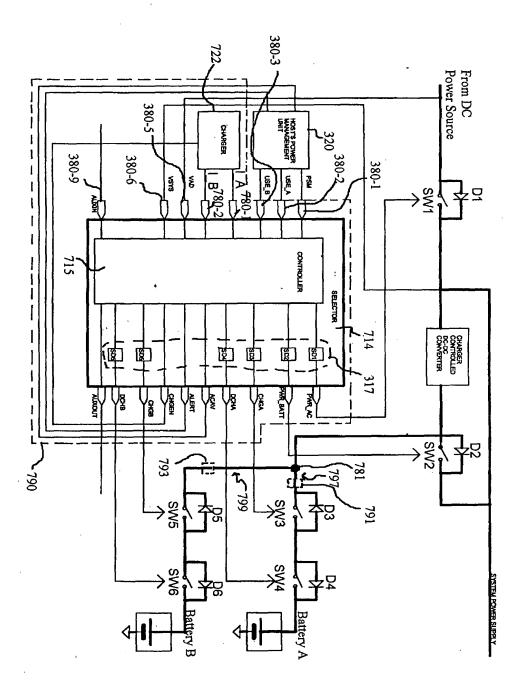
SW6	SW5	SW4	SW3	SW2	SW1	Switch States	PBUE	CHGEN	VINP1	Charging Current Signal	Lower voltage battery	USE B	USE_A	Signal States			
OFF	유	OFF F	Ş	양	Q		low	nigh	ng Ag	lo₩	×	Tigh	low	4-	<u>ر</u> و		USE signals indicate Batt
OFF F	얡	2	2	OFF	2		Ø₩	high	high	high	×	high	ίοw	لے	504 L	,	JSE signals ndicate Battery A
OFF	2	유	뭐	OFF F	2		low	₽ Gh	bigh	₩O	×	₽	high	لع	506		USE signals
8	S	OFF F	유	OFF	Q		O¥	high	high	high	×	low	high	لے	508	•	USE signals Indicate Battery B
유	2	위	2	OFF	2		Ē	D)	₽gh	Q	×	Q	Q.	کہ	510		Use signals indicate Bat
8	2	웆	2	윆	2		high	쳟	high	high	×	į	₹	لے	512 L	•	inals Battery A
OFF	얡	욝	S	양	2		WO	high	high	Q	➤	Q¥	₹	کے	514	,	Use signals Indicate Battery A and B in parallel
OFF	윢	ջ	Q.	OFF	Q.		WO	high	ij	high	➤	Q¥	ij.	کے	516		arallel
OFF	2	유	OFF	OFF F	Q		WO	high	high	₩	œ	₽	Q.	کی	518		
8	2	OFF F	OFF	OFF	Q		WO	high	high	high	œ	low	ō,	کے	520 		
OFF	OFF F	OH H	OFF	OFF	2		low	low	WO	W	×	high	high	لے	522	Battery A or B	Use signals Indicate neither

	• SW8	SW4	SW3	SW2	SW1	FBOC	BALLCOME	VINPZ	VINP1	Targeted Supply Battery	Supply Mode			<u>^</u>	600		
FIG. 6	OFF F		2		OFF	WOI			high	>	Nbssm1	~	602 604	,			
	ON C	OFF			OFF OFF	high			high		Nbssm1 Nbssm2	کے	606				

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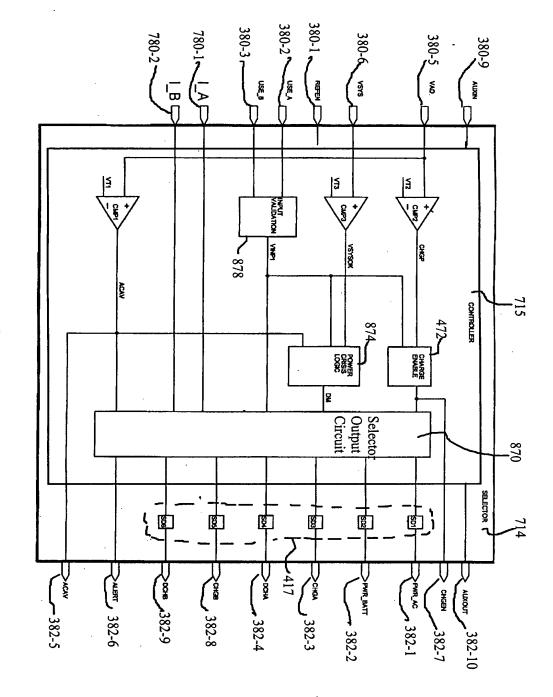


FIG. 8

	1777	•							
	USE signals	naus	USE signals	mais	CSE Signa	USE signals indicate Battery A and B in	Battery A au	nd B in	USE signals
	indicate	indicate Battery A	indicate	indicate Battery B	parallel				indicate neither
	1 206	904 -	906 1	1 008	910	913	914	916	Battery A or B
	<u>. </u>	ر ا	ر ا	، کرچ ا	<u>.</u> ا	، ک-!	<u>, </u>		918
Signal States	4	4	4	۴	4	4	4	4	7
USE A	low	low	high	high	low	low	low	low	high
USE B	high	high	low	wol	low	low	low	low	high
Battery A current signal	low	high	low	low	low	high	low	high da	low
Battery B current signal	low	low	low	high	low	low	high	bi est	low
VINPI	high	high	high	high	high	high	high	E:	low
CHGEN	high	high	high	high	high	high	high	high	low
Switch States		٠							
SWI	S	QN	ON	NO	ON	Q	2	욅	ON
SW2 ·	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
SW3	ş	ON ON	OFF	OFF	ON	NO	ON ON	ş	OFF
SW4	OFF	S	OFF	OFF	OFF	ON	OFF	잁	OFF
SW5	OFF	OFF	<u>8</u>	ON ON	ON	NO	9 9	S S	OFF
SW6	OFF	OFF	OFF	ON	OFF	OFF	2	욅	OFF

900 **~**

FIG. 9

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	USE signals	nals	USE signals	nals	USE signa	USE signals indicate Battery A and B in	aftery A and	1B in
	indicate	indicate Battery A	indicate	indicate Battery B	parallel			
	1002	1004	1006	1008	1010	1013	1014	1016
Signal States	L		,	ر ا	. .	ر م	ېر	مو
USE A	low	low	high	high	low	low	low	low
USE B	high	high	low	low	low	low	low	low
Battery A current signal	low	high	low	low	low	high	low	high
Battery B current signal	low	low	low	high	low	low	high	high
VINP1	high	high	high	high	high	high	high	high
Switch States								
SW1	OFF	OFF	OFF	OFF	OFF	OFF	엄	엵
SW2	<u>Q</u>	Q.	ON	<u>8</u>	2	2	ş	2
SW3	OFF	<u>Q</u>	OFF	OFF	OFF	ON ON	OFF	2
SW4	ON	ON	OFF	OFF	ON ON	ON N	ON ON	9
SW5	OFF	OFF	OFF	ON	OFF	OFF	ON	2
SW6	OFF	OFF	ON	ON N	ON ON	ON	<u></u>	9

FIG. 10

